



# Appendix H

## *Insecticide Labels and MSDSs*

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### Insecticide Labels and Material Safety Data Sheets (MSDSs)

By reference, the following labels and MSDSs are part of the *Gypsy Moth Program Manual*:

- ◆ Labels of insecticides registered for use against the gypsy moth
- ◆ MSDSs of insecticides registered for use against the gypsy moth



This Appendix supplies additional information about the various insecticides used to control the gypsy moth. Mention of these products and companies is *not* to be considered an endorsement. These products and companies are mentioned merely as a convenience. Other products, which are *not* mentioned, may be available.

As a safety precaution, read and follow all label directions.

Besides label directions, follow all pertinent State and Federal laws.

Labels and MSDSs are available at the following website:

<http://www.greenbook.net/>

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### Insecticide Distributors

The list of distributors which follows is **not** complete and **could not** be complete. The list is included merely to give an idea of the products available for the control of gypsy moth.

For several reasons labels and MSDSs of insecticides that are effective against the gypsy moth are **not** included in the *Gypsy Moth Program Manual*:

- ◆ The registered insecticides often change. The Environmental Protection Agency requires that users of pesticides check the current label. This checking must be constant; therefore, the

“storing” of labels and MSDSs in an appendix is to be avoided. (However, if a program is in progress, place the current label and MSDS in the appendix.)

- ◆ The companies making the formulation often change.
- ◆ At any given time a sizable number of insecticides are effective against the gypsy moth. The labels and MSDSs would fill a sizable volume by themselves.
- ◆ The current labels and MSDSs are often easily available on the internet. The internet should be accessed to obtain the current label.

## Aventis

P.O. Box 12014  
2 T. W. Alexander Drive  
Research Triangle Park, NC 27709  
Tel: 800-334-9745 (For product use information)  
Tel: 919-549-2000

**Website:** <http://www.greenbook.net> (For labels)

**Insecticides:** Carbaryl is the active ingredient in several formulations.

**Larval Control:** Among the formulations containing carbaryl are (1) SEVIN® brand 4-OIL for non-urban forested land, (2) SEVIN® XLR PLUS, a suspension of microfine Sevin carbaryl insecticide in an aqueous medium, for forested areas and rangeland trees, and (3) CHIPCO® SEVIN® 80 WSP, a dry powder formulation in water-soluble paks, for trees and ornamentals.

**Comment:** All formulations mentioned above are suitable for aerial or ground application.

## Dow AgroSciences

P. O. Box 681428  
9330 Zionsville Road  
Indianapolis, IN 46268-1189  
Tel: 800-255-3726  
Fax: 317-337-3000

**Website:** <http://www.dowagro.com>

**Insecticide:** Conserve® SC

**Larval Insecticide:** Spinosad is the active ingredient in Conserve® SC.

**Comments:** For effective control of gypsy moth larvae, apply when larvae are small and all eggs have hatched (Conserve® SC label, 1999).

**Rohm and  
Haas**

100 Independence Mall West  
Philadelphia, PA 19106-2399  
Tel: 215-592-3000  
Fax: 215-592-3377

**Website:** <http://www.rohmhaas.com>

**Insecticides:** Mimic™ 2LV

**Larval Control:** The active ingredient is tebufenozide.

**Comments:** This insecticide should be applied to the early instar (1st, 2nd, or 3rd) larvae; foliage development should be a minimum of 20% (Mimic™ 2LV label, 2000).

**Stollar  
Enterprises,  
Inc.**

8582 Katy Freeway, Suite 110  
Houston, TX 77024  
Tel: 713-461-1493

**Website:**

**Insecticide:** Golden Natur'l Spray Oil

**Egg Mass Control:** Applied to egg masses, Golden Natur'l Spray Oil will prevent egg hatch.

**Comments:** For egg masses deposited on trees, ground litter, outdoor furniture, recreation vehicles, firewood, nursery stock, vessels, aircraft, and other forms of transportation.

**UAP (United  
Agri Products)**

419 18th St.  
Greeley, CO 80631  
Tel: 970-356-4400 (For information)

**Website:** <http://www.greenbook.net> (for labels)

**Insecticide:** Carbaryl 4L (and Malathion ULV?)

**Larval Control:** With carbaryl, application to the early instars will be more effective.

**Comments:** Carbaryl is highly toxic to honey bees and to many aquatic organisms.

**Uniroyal  
Chemical**

World Headquarters  
Middlebury, CT 06749  
Tel: 203-573-3025

**Website:** <http://www.uniroyalchemical.com/cropidex.html>

**Insecticide:** Dimilin® 4L (Possibly other formulations)

**Larval Control:** Dimilin® 4L is for use on early instars prior to full leaf expansion (5-20%). The active ingredient is diflubenzuron.

**Comments:** Dimilin® 4L is a restricted use pesticide.

**Valent  
BioSciences  
Corporation**

870 Technology Way  
Libertyville, IL 60048  
Tel: 800-323-9597  
Fax: 847-938-6291

**Website:** <http://www.valentbiosciences.com>

**Insecticides:** Foray® 48B, Foray® 48F, Foray® 76B, and DiPel® 2X

**Larval Control:** *Bacillus thuringiensis* subsp. *kurtaki* (Btk), an important biological agent, is the active ingredient in Foray® 48B, Foray® 48F, Foray® 76B, and DiPel® 2X.

**Comments:** This biological insecticide which controls the larval stage of gypsy moth will kill some other butterfly and moth species.

**Valent USA  
Corporation**

133 N. California Blvd., Suite 600  
Walnut Creek, CA 94596  
Tel: 800-89-VALENT  
Fax: 925-256-2700

**Website:** <http://www.valent.com>

**Insecticide:** Acephate

**Larval Control:** Acephate is the active ingredient in Orthene® Turf, Tree, and Ornamental Spray 97 (OTTO Spray 97).

**Comments:** Acephate is toxic to several insects.